



Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at <http://about.jstor.org/participate-jstor/individuals/early-journal-content>.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact support@jstor.org.

THE JOHNS HOPKINS PRESS

BALTIMORE.

I. AMERICAN JOURNAL OF MATHEMATICS.

FRANK MORLEY, Editor. Quarterly. 4to. Volume XXIII in progress. \$5 per volume.

II. AMERICAN CHEMICAL JOURNAL.

I. REMSEN, Editor. Monthly. 8vo. Volume XXVI in progress. \$5 per volume.

III. AMERICAN JOURNAL OF PHILOLOGY.

B. L. GILDERSLEEVE, Editor. Quarterly. 8vo. Volume XXII in progress. \$3 per volume.

IV. STUDIES FROM THE BIOLOGICAL LABORATORY.

8vo. Volume V complete. \$5 per volume.

V. STUDIES IN HISTORY AND POLITICS.

H. B. ADAMS, Editor. Monthly. 8vo. Volume XIX in progress. \$3 per volume.

VI. JOHNS HOPKINS UNIVERSITY CIRCULARS.

Containing reports of scientific and literary work in progress in Baltimore. 4to. Volume XX in progress. \$1 per year.

VII. JOHNS HOPKINS HOSPITAL REPORTS.

8vo. Volume X in progress. \$5 per year.

VIII. JOHNS HOPKINS HOSPITAL BULLETIN.

Monthly. 4to. Volume XII in progress. \$1 per year.

IX. CONTRIBUTIONS TO ASSYRIOLOGY, ETC.

8vo. Volume IV in progress.

X. MEMOIRS FROM THE BIOLOGICAL LABORATORY.

W. K. BROOKS, Editor. 4to. Volume IV complete. \$7.50 per volume.

XI. THE JOURNAL OF EXPERIMENTAL MEDICINE.

W. H. WELCH, Editor. Bi-monthly. 8vo. Volume V in progress. \$5 per volume.

XII. MODERN LANGUAGE NOTES.

A. M. ELLIOTT, Editor. 4to. Volume XVI in progress. \$1.50 per volume.

XIII. AMERICAN JOURNAL OF INSANITY.

HENRY M. HURD, Editor. Quarterly. 4to. \$5 per volume.

XIV. REPORTS OF MARYLAND GEOLOGICAL SURVEY.

WILLIAM B. CLARK, Editor.

XV. TERRESTRIAL MAGNETISM AND ATMOSPHERIC ELECTRICITY.

L. A. BAUER, Editor. Quarterly. 8vo. Volume VI in progress. \$2.50 per volume.

XVI. ANNUAL REPORT.

Presented by the President to the Board of Trustees, reviewing the operations of the University during the past academic year.

XVII. ANNUAL REGISTER.

Giving the list of officers and students, and stating the regulations, etc., of the University.
Published at the close of the academic year.

The *University Circulars*, *Annual Report*, and *Annual Register* will be sent by mail for one dollar per annum.

Communications in respect to exchanges and remittances may be sent to The Johns Hopkins Press, Baltimore, Maryland.

CONTENTS.

| | PAGE |
|---|------|
| Geometry on the Cubic Scroll of the Second Kind. By FREDERICK C. FERRY—Continued from page 200, | 201 |
| Congruent Reductions of Bilinear Forms. By T. J. I'A BROMWICH, | 235 |
| On the Imprimitive Substitution Groups of Degree Fifteen and the Primitive Substitution Groups of Degree Eighteen. By EMILIE NORTON MARTIN, | 259 |
| Removal of any Two Terms from a Binary Quantic by Linear Transformations. By BESSIE GROWE MORRISON, | 287 |

The American Journal of Mathematics will appear four times yearly.

The subscription price of the Journal is \$5.00 a volume; single numbers \$1.50. A few complete sets of the Journal remain on sale.

Subscriptions from countries included in the Postal Union may be sent by international money order, payable to *Nicholas Murray*.

It is requested that all scientific communications be addressed to the EDITOR of the American Journal of Mathematics, and all business or financial communications to The Johns Hopkins Press, Baltimore, Md., U. S. A.